



Docket No. 219738US2CONT  
IN RE APPLICATION OF: Koichi OTSUKA  
SERIAL NO: 10/082,249  
FILED: February 26, 2002  
FOR: COLOR PRINTING USING A VERTICAL NOZZLE ARRAY HEAD

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Transmitted herewith is an amendment in the above-identified application.

- ☒ No additional fee is required  
☐ Small entity status of this application under 37 C.F.R. §1.9 and §1.27 is claimed.  
☒ Additional documents filed herewith: Marked-Up Copy

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The Fee has been calculated as shown below:

CLAIMS	CLAIMS REMAINING		HIGHEST NUMBER PREVIOUSLY PAID	NO. EXTRA CLAIMS	RATE	CALCULATIONS	
TOTAL	1	MINUS	20	0	x \$18 =	\$0.00	
INDEPENDENT	1	MINUS	3	0	x \$84 =	\$0.00	
		<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+ \$280 =	\$0.00	
		TOTAL OF ABOVE CALCULATIONS					\$0.00
		<input type="checkbox"/> Reduction by 50% for filing by Small Entity					\$0.00
		<input type="checkbox"/> Recordation of Assignment			+ \$40 =	\$0.00	
		TOTAL					\$0.00

- ☐ A check in the amount of \$0.00 is attached.
- ☒ Please charge any additional Fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.
- ☒ If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time may be charged to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

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219738US-2 CONT



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: :  
Koichi OTSUKI : GROUP: 2861  
SERIAL NO: 10/082,249 : EXAMINER: NGUYEN, Thinh H.  
FILED: February 26, 2002 :  
FOR: COLOR PRINTING USING A :  
VERTICAL NOZZLE ARRAY  
HEAD

#3/a  
9/23/02  
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AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

In response to the Office Action dated June 19, 2002, for the above-identified patent application, please consider the remarks below and amend the application as follows:

IN THE CLAIMS

Please amend Claim 1 as shown in the attachment. Claim 1 in clean form is shown below:

1. (Amended) A print head for use in a printing apparatus that prints images by forming dots on a print medium, comprising:  
a plurality of dot formation element groups for forming dots of different inks, the plurality of dot formation element groups being arrayed in a prescribed order in the sub-scanning direction, the dot formation elements of each group being arranged at an identical pitch k in the sub-scanning direction, the pitch k being set at an integer multiple value that is at least two times a pitch of dots formed on the print medium in the sub-scanning direction,

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